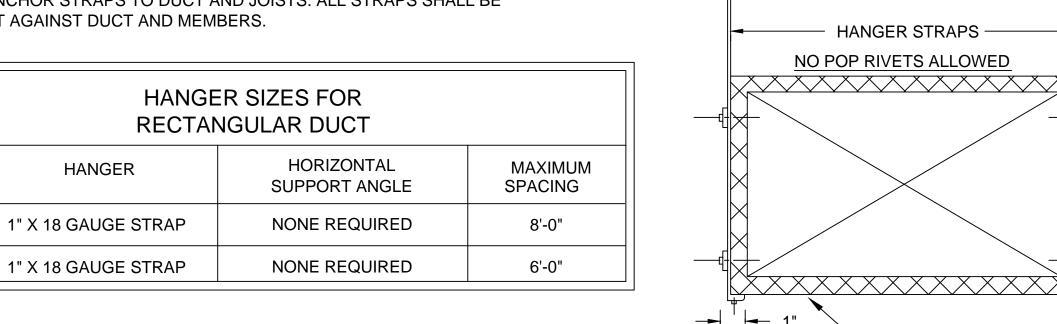


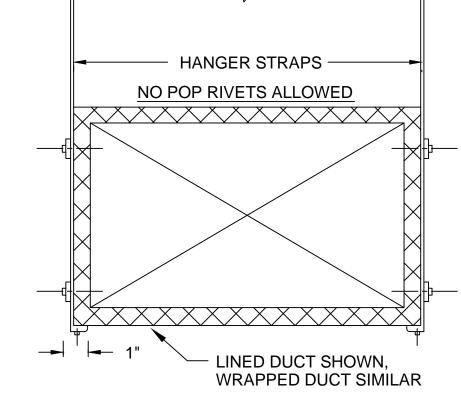
SIDE

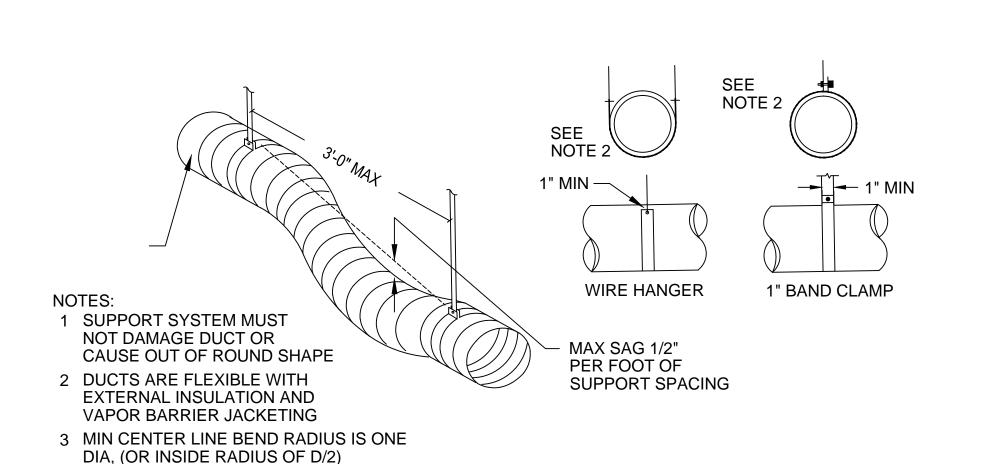
UP TO 34"

34" TO 40"



DUCT STRAP HANGER DETAIL

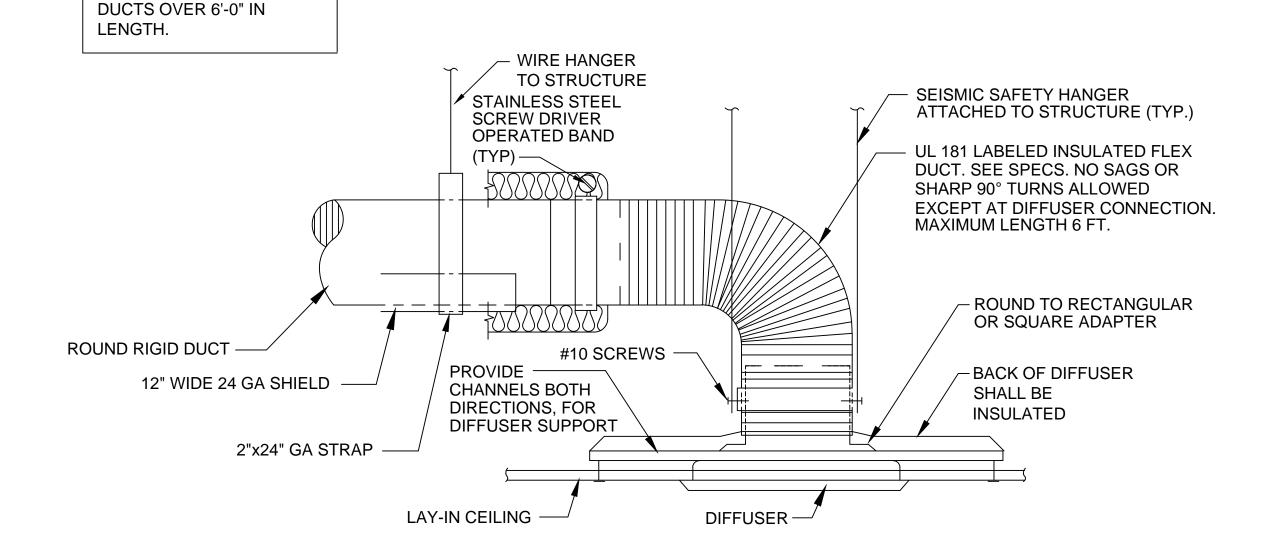




STRAIGHT SECTION FLEXIBLE DUCT (TYPICAL)

4 MAX. LENGTH 3 FT BETWEEN SUPPORTS

SCALE: NTS



WRAP ALL BRANCH DUCTS AND

STAINLESS STEEL

OPERATED BAND (TYP)

ROUND TO

NOTE: PATIENT ROOM

DIFFUSERS SHALL BE

ANTI-LIGATURE TYPE.

RECTANGULAR OR

SQUARE ADAPTER

SHALL BE

INSULATED

BACK OF DIFFUSER

UL 181 LABELED INSULATED FLEX DUCT

TURNS ALLOWED EXCEPT AT DIFFUSER

CONNECTION. MAXIMUM LENGTH 6 FT.

SEE SPECS. NO SAGS OR SHARP 90°

SCREW DRIVER

COVER CONNECTIONS WITH

DUCT WRAP. SEE

SPECIFICATIONS.

PROVIDE 3/4" HAT-

CHANNELS, BOTH

DIRECTIONS, FOR

GYP. CEILING

DIFFUSER SUPPORT

DIFFUSER

SURFACE MOUNTED

- WIRE HANGER

TO STRUCTURE

BALANCE DAMPER

WITH LOCKING

QUADRANT.

(TYPICAL ALL

TAKE-OFFS)

FASTEN RIGID DUCT-

PROVIDE SUPPORT ON ALL

BRANCH DUCT RUNOUTS.

SUPPORTS ON BRANCH

MINIMUM OF TWO

W/ SHEET METAL

SCREWS

ROUND

RIGID DUCT

12" WIDE 24

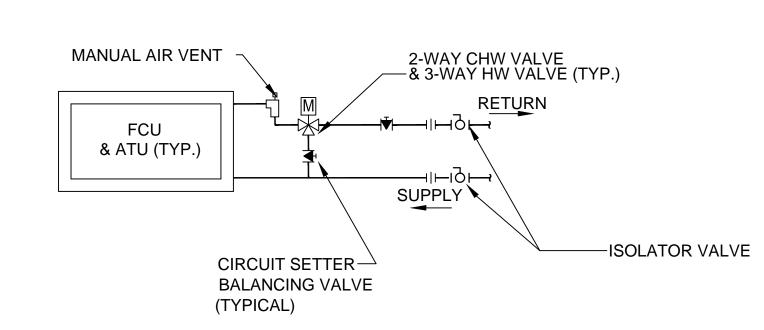
GA SHIELD

2" X 24" GA STRAP -

NOTE: AIR DEVICES LOCATED IN LAY-IN CEILINGS SHALL BE PROVIDED WITH SEISMIC SAFETY SUPPORTS, PER THE SEISMIC SPECIFICATION.



SCALE: NTS



NOTE

USE DIELECTRIC UNIONS WHERE PIPING AND APPENDAGE MATERIAL

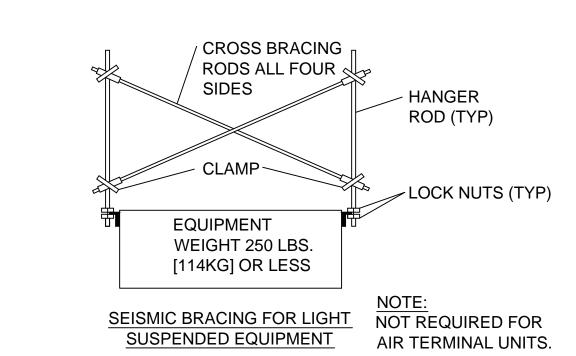
BALANCE SYSTEM AT COOLING FLOW RATES WITH THROUGH COILS. THEN BALANCE BYPASS FLOWS TO MATCH FLOW THROUGH ADJACENT SIZE CIRCUIT SETTER FOR REQUIRED FLOW. PROVIDE REDUCERS AS

INSTALL CONTROL VALVES IN ACCESSIBLE CEILING LOCATIONS. PROVIDE TAMPER PROOF CEILING ACCESS PANELS FOR PATIENT FAN COIL UNITS SHALL BE PROVIDED WITH FACTORY CONTROL VALVE

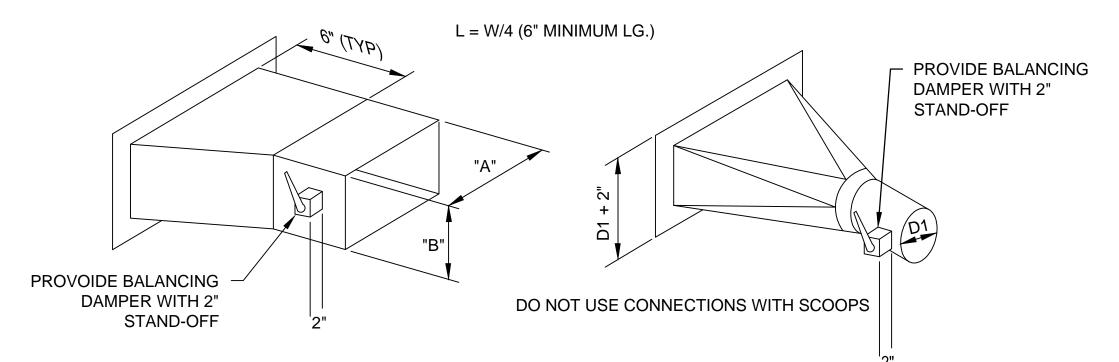
PACKAGES (2-WAY CHW & 3-WAY HW). ATU REHEAT COILS SHALL BE PROVIDED WITH A 3-WAY HW VALVE.

6

TYPICAL HYDRONIC PIPING AT FAN COIL UNIT & AIR TERMINAL UNIT

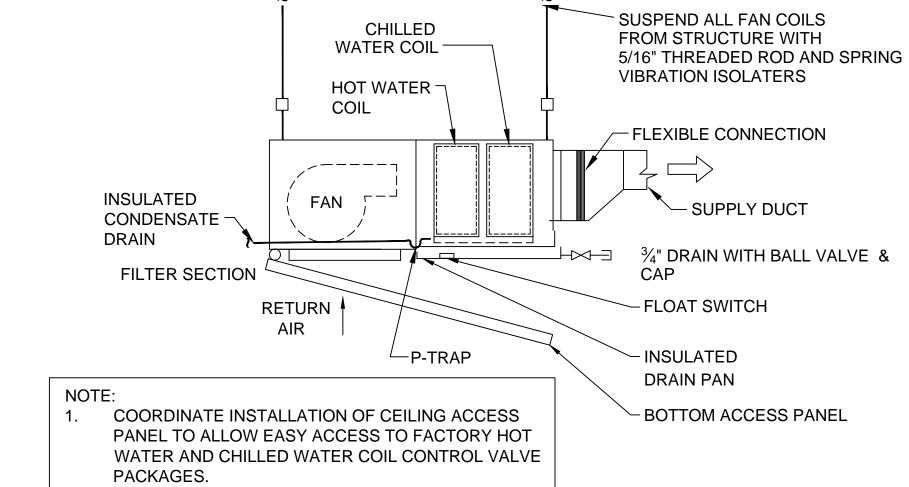


SEISMIC BRACING FOR EQUIPMENT



\45 DEGREE BRANCH TAKEOFF LOW PRESSURE DUCTWORK

SCALE: NTS



FAN COIL UNIT - ABOVE CEILING

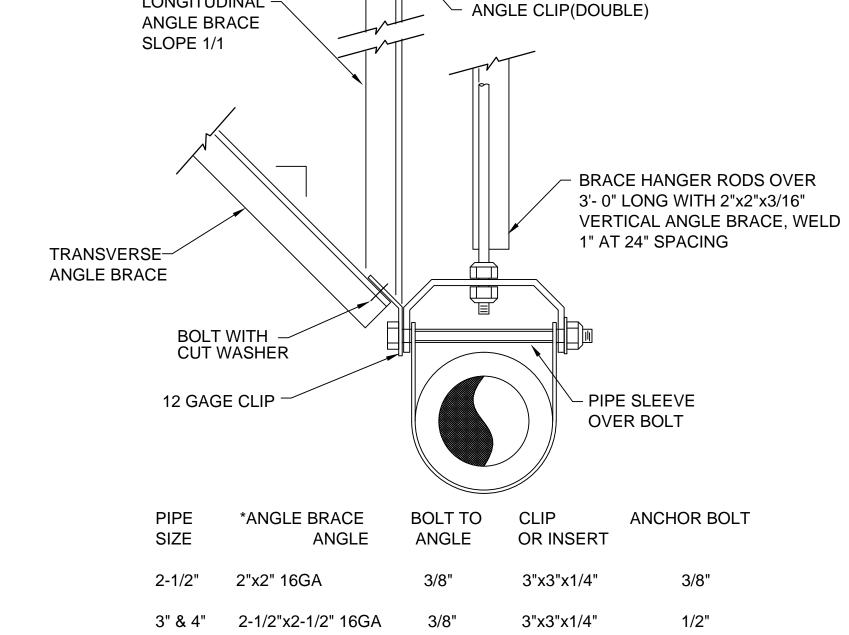
PROVIDE HIGH - MAXIMUM OF 24" HIGH DOUBLE PRESSURE PRESSURE FLEX. SEAL **INSULATED ATU** WITH DRAWBAND AND LOWLOSS BOX **TAKEOFF** MASTIC AIR **FLOW** SIZE AS SHOWN ON PROVIDE MINIMUM 36"CLEAN PLANS ACCESS TO ATU CONTROL PANEL. $^{ extsf{T}}$ PROVIDE MINIMUM 4X INLET DIAMETER OF STRAIGHT HARD DUCT UPSTREAM OF ATU CFM MEASUREMENT

AIR TERMINAL UNIT SCALE: NTS

CONSTRUCTION DOCUMENT SUBMISSION

4 8 16 H **FULLY SPRINKLERED** Drawing Title Project Title Project Number **CONSULTANTS: ARCHITECT/ENGINEERS: OFFICE OF** RENOVATE MEDICAL SURGICAL 544-13-102 **MECHANICAL DETAILS** CONSTRUCTION Building Number AND BES DESIGN/BUILD, LLC **FACILITIES** BESIGN/BUILD Approved: Project Director **Drawing Number** 766 Middle St, Fairhope, AL 36532 **MANAGEMENT** W.J. BRYAN DORN VAMC; COLUMBIA, SC Phone: 251.990.5778 Fax: 251.990.3716 MH501 Checked Department of Veterans Affairs 6/4/2014 ADDENDUM #1 05-16-2014 CD CD Dwg. 49 of 78 Date Revisions: VA FORM 08-6231

DRAIN LINE SHALL BE AT LEAST THE SAME SIZE AS THE NIPPLE ON THE DRAIN PAN PIPING SHALL BE RIGID COPPER TYPE L OR TYPE M — PITCH DOWN TOWARD DRAIN CLEAN OUT— - DRAIN PAN -DIELECTRIC **FITTING** FLOOR DRAIN— UNIT TYPE DRAW THRU **BLOW THRU** WHERE X = STATIC PRESSURE IN PAN



LONGITUDINAL

ANCHOR BOLT 3/8" 1/2" 5" & 6" 2-1/2"x2-1/2" 16GA 5"x3"x1/2"

- ANCHOR BOLT

*1-5/8"x 1-5/8" GAGE CHANNEL MAY BE USED GA = GAUGE

3

2

TYPICAL SEISMIC BRACING

AIR HANDLING UNIT COND. DRAIN TRAP DETAIL 10 SCALE: NTS